

ABSTRACT OF THE DISCLOSURE

The objective of the present invention is to provide a reliable thin-film circuit substrate or via formed substrate that is provided with minute 5 via plugs at a fine pitch. The objective is served by forming an insulation layer that functions as an etching stopper on a Si substrate, and then via holes are formed in the Si substrate, using a semiconductor process, until the etching stopper 10 layer is exposed. Further, a thin-film circuit is formed on the insulation layer, and the insulation layer is removed at the via holes such that the thin-film circuit is exposed. As necessary, the thin film circuit is heat-treated, and then the via holes 15 are filled with an electrically conductive material and vamp electrodes are formed.